CLAIMS

We claim:

1   1.   A system for ensuring transparent synchronization of multiple applications across

2 remote systems, the transparent synchronization system comprising:

3   local application sharing logic configured to receive events to be shared from a local

4 application, and transmit said events to be shared;

5   remote application sharing logic configured to receive said events to be shared from said

6 local application sharing logic, and transmit said events to at least one corresponding remote

7 application for processing; and

8   transparent synchronization logic configured to ensure transparent synchronization said at

9 least one local application with said at least one remote application.

1   2 .   The system of claim 1, wherein said transparent synchronization logic further

2 comprises:

3   remote event buffering logic configured to buffer said events to be shared received by

4 remote application sharing logic.
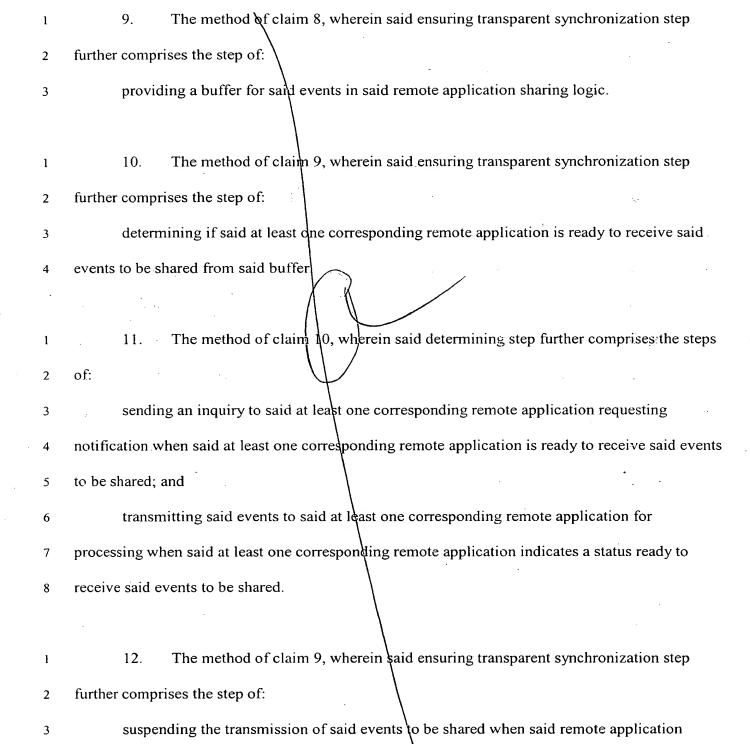
1   3.   The system of claim 2, wherein said remote event buffering logic further

2   comprises:

3   remote synchronization logic configured to determine if said at least one corresponding

4   remote application is ready to receive said events to be shared.

1   4.   The system of claim 3, wherein said remote synchronization logic further

2   comprises:

3   remote status inquiry logic configured to send an inquiry to said at least one corresponding

4   remote application requesting notification when said at least one corresponding remote application

5   is ready to receive said events to be shared, and

6   wherein said remote application sharing logic is configured to transmit said events to said

7   at least one corresponding remote application for processing when said at least one corresponding

8   remote application indicates a ready to receive said events to be shared status as a result of said

9   inquiry.

1   5.   The system of claim 2, wherein said transparent synchronization logic further

2   comprises:

3   local buffering status logic configured to suspend the transmission of said events to be

4   shared when said remote application sharing logic indicates said buffer exceeds a buffer full
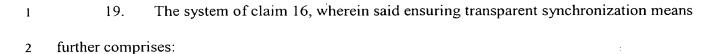
5   threshold.

1   6.   The system of claim 5, wherein said local buffering status logic further comprises:

2   application input suppression logic configured to suppress input to said at least one local

3   application when said remote application sharing logic indicates said buffer exceeds a buffer full

4   threshold.

1   7.   The system of claim 6, wherein said application input suppression logic further

2   comprises:

3   application input enable logic configured to enable input to said at least one local

4   application when said remote application sharing logic indicates said buffer is ready to receive

5   said events to be shared.

1   8.   A method for ensuring transparent synchronization of multiple applications across

2   remote systems, comprising the steps of:

3   transmitting events to be shared from a local application;

4   receiving events to be shared by a local application sharing logic;

5   transmitting said events to be shared from said local application sharing logic to a remote

6   application sharing logic;

7   receiving events to be shared, from said local application sharing logic, by a remote

8   application sharing logic;

9   transmitting said events from said remote application sharing logic to at least one

10   corresponding remote application for processing; and

11   ensuring transparent synchronization of said events to be shared.

1   9.   The method of claim 8, wherein said ensuring transparent synchronization step

2   further comprises the step of:

3   providing a buffer for said events in said remote application sharing logic.

1   10.   The method of claim 9, wherein said ensuring transparent synchronization step

2   further comprises the step of:

3   determining if said at least one corresponding remote application is ready to receive said

4   events to be shared from said buffer.

1   11.   The method of claim 10, wherein said determining step further comprises the steps

2   of:

3   sending an inquiry to said at least one corresponding remote application requesting

4   notification when said at least one corresponding remote application is ready to receive said events

5   to be shared; and

6   transmitting said events to said at least one corresponding remote application for

7   processing when said at least one corresponding remote application indicates a status ready to

8   receive said events to be shared.

1   12.   The method of claim 9, wherein said ensuring transparent synchronization step

2   further comprises the step of:

3   suspending the transmission of said events to be shared when said remote application

4   sharing logic indicates said buffer exceeds a buffer full threshold.

1   13.   The method of claim 12, wherein said suspending the transmission step further

2   comprises the steps of:

3   suppressing input to said at least one local application when said remote application

4   sharing logic indicates said buffer exceeds a buffer full threshold.

1   14.   The method of claim 13, wherein said suspending the transmission step further

2   comprises the steps of:

3   enabling input to said at least one local application when said remote application sharing

4   logic indicates said buffer is ready to receive said events to be shared.

1   15.   A system for ensuring transparent synchronization of multiple applications across

2   remote systems, said transparent synchronization system comprising:

3   means for transmitting events to be shared from a local application;

4   means for receiving events to be shared by a local application sharing logic;

5   means for transmitting said events to be shared from said local application sharing logic to

6   a remote application sharing logic;

7   means for receiving events to be shared, from said local application sharing logic, by a

8   remote application sharing logic;

9   means for transmitting said events from said remote application sharing logic to at least

10   one corresponding remote application for processing; and

11   means for ensuring transparent synchronization of said events to be shared.

1   16.   The system of claim 15, wherein said ensuring transparent synchronization means

2   further comprises:

3   means for providing a buffer for said events in said remote application sharing logic

4   receiving means.

1   17.   The system of claim 16, wherein said ensuring transparent synchronization means

2   further comprises:

3   means for determining if said at least one corresponding remote application is ready to

4   receive said events to be shared from said buffer.

1   18.   The system of claim 17, wherein said determining means further comprises:

2   means for sending an inquiry to said at least one corresponding remote application

3   requesting notification when said at least one corresponding remote application is ready to receive

4   said events to be shared; and

5   means for transmitting said events to said at least one corresponding remote application for

6   processing when said at least one corresponding remote application indicates a status ready to

7   receive said events to be shared.

1   19.   The system of claim 16, wherein said ensuring transparent synchronization means

2   further comprises:

3   means for suspending the transmission of said events to be shared when said remote

4   application sharing logic indicates said buffer exceeds a buffer full threshold.

1   20.   The system of claim 19, wherein said suspending means further comprises:

2   means for suppressing input to said at least one local application when said remote

3   application sharing logic indicates said buffer exceeds a buffer full threshold.

1   21.   The system of claim 20, wherein said suppressing input means further comprises:

2   means for enabling input to said at least one local application when said remote application

3   sharing logic indicates said buffer is ready to receive said events to be shared.